

Amendments to the Abstract are as follows:

A modulating electric current and a bias electric current supplied to a semiconductor laser can be respectively changed correspondingly with ambient temperature even in a burst mode, and the level of an optical output is constantly set at all times irrespective of the ambient temperature.

An optical output control circuit has a semiconductor laser for supplying a modulating electric current and a bias electric current thereto, a modulating electric current supplying device for supplying the modulating electric current on the basis of an inputted modulating signal, and a bias electric current supplying device for supplying the bias electric current. A first temperature correcting device for increasing the modulating electric current with a rise in ambient temperature is arranged in the modulating electric current supplying device, and a second temperature correcting circuit for increasing the bias electric current with the rise in ambient temperature is arranged in the bias electric current supplying device.